IN THE SPECIFICATION

Please amend the paragraph beginning at page 1, line 23 to page 2, line 6, as follows:

For these products, there is a need to account for the copyright protection. The digital data has an advantage that the quality of the digital data will not be degraded even when they are copied but the digital data also has an disadvantage that the illegal copy can be made easily. For this reason, in the IEEE 1394 which is a digital network for connecting digital AV devices, the authentication and key exchange mechanism and the data encryption function are provided. (see documents disclosed at "http://www.dtcp.com" for details).

Please amend the paragraph beginning at page 15, line 19 to page 16, line 12, as follows:

In this embodiment, the AV data that require the copyright protection are transmitted in an encrypted form. The encryption is applied to the payload portion of the UDP/IP packet of Fig. 4. A more detailed data format of this payload portion is as shown in Fig. 5. An RTP (Real-time Transport Protocol) header d6 of the RTP which is a transfer protocol for the AV data transfer standardized by the IETF and a UDP/IP header d7 are attached to a payload d5 in which the AV data are encrypted, and a copyright protection control data d8 is further attached between the RTP header d6 and the payload d5. This copyright protection control data d8 comprise a copy control information (CCI), a bit for notifying a timing of a change of the value of the key for encryption applied to the AV data, etc. The copyright protection control data d8 may be contained in the RTP header d6. Also a part of the copyright protection control data d8 may be encrypted along with the AV data. For further details of the RTP, see "http://www.ietf.org/rfc/rfc1889.txt".

Please amend the paragraph at page 17, lines 10-19, as follows:

Fig. 6 shows a processing procedure of the first embodiment for the AV data encryption and transmission processing to be carried out by the transmission device 2 and the reception device 3. In the following, the encryption and transmission processing of the first embodiment will be described in detail with reference to Fig. 6. Here, the mechanism for the copyright protection is assumed to be DTCP (Digital Transmission Content Protection) as an example. ~~For further details of the DTCP, see "http://www.dtcp.com".~~